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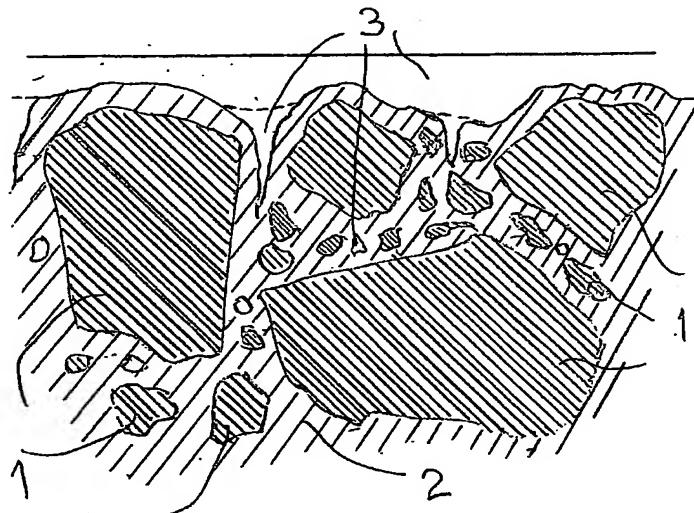
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(54) Title: METHOD OF MANUFACTURING A DIAMOND COMPOSITE BODY HAVING A MODIFIED OUTER SURFACE



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(57) Abstract: The present invention relates to a method of manufacturing a diamond composite body comprising the steps of forming a porous body containing diamond particles and graphite and/or carbon, infiltrating silicon or silicon alloy into the body and heating the infiltrated body to form carbide by reaction between graphite and/or carbon and the infiltrated silicon or silicon alloy. According to the invention the method comprises the further steps of providing a surplus of silicon or silicon alloy in connection with the infiltration step so that a layer of silicon alloy will cover at least one outer surface of the composite body, and thereafter machining the at least one outer surface covered with silicon or silicon alloy. The invention also relates to a diamond composite body produced by the method.